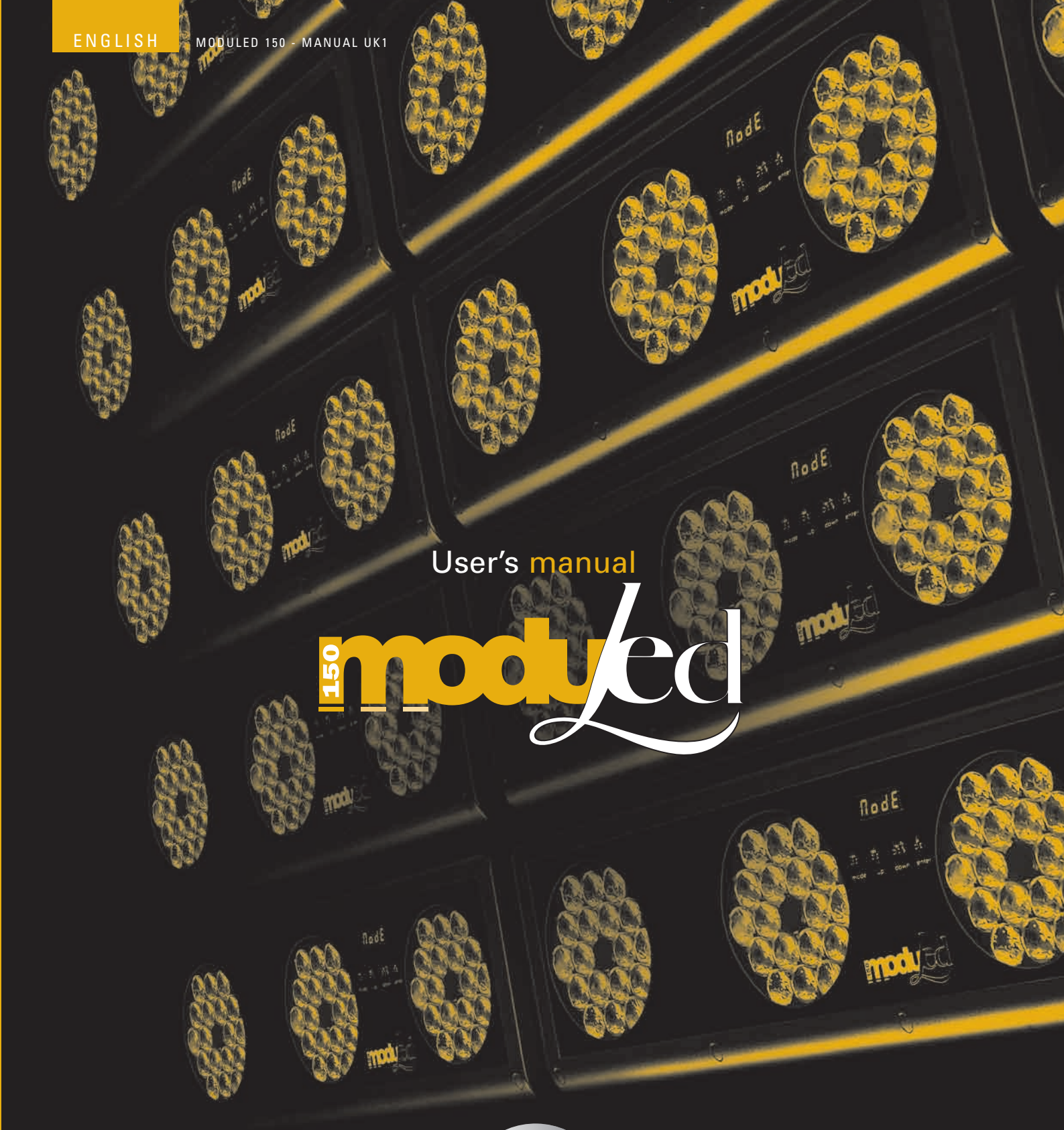

User's manual

150 modu Led

AYRTON

Light in action

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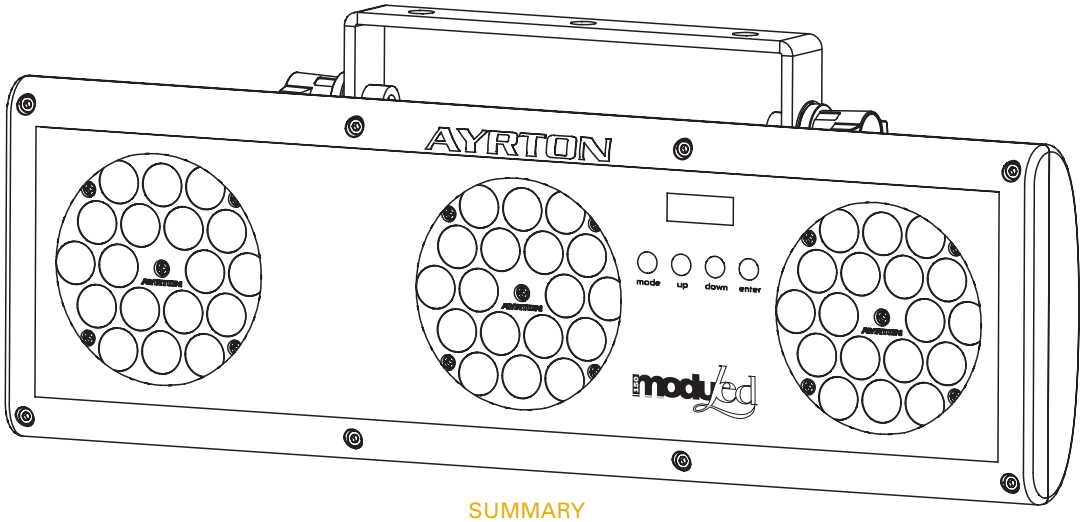

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01. INTRODUCTION

Thank you for choosing AYRTON's products and for your trust in MODULED 150.

Your MODULED 150 needs other AYRTON accessories for use. These accessories, not supplied with your MODULED 150, are :

› Connection box EASYBOX HD

› AYRTON Multifunction hybrid connection cables (these cables merge power and command DMX signals)

› Other accessories needed according to application requirements (Filter holders and diffusion filters,…)

WARNING !

This product is not suitable for home use.

You are in possession of a professional product with many applications. Before installation, make sure your MODULED 150 has not suffered damage during transport. If it is damaged in anyway, do not use this product and contact your AYRTON dealer immediately.

If you would like additional information, or to get the latest software update for your MODULED 150, please visit our website www.ayrton.eu.

For your own safety and that of others, please read this manual before the first operation of this device.

Any person involved in the installation, use or maintenance of your MODULED 150 must:

› Be qualified for this type of operation

› Strictly respect the instructions mentioned in this manual

Please take the time to fully and carefully read the manual before installing and using your MODULED 150, in order to gain a thorough knowledge of the conditions of use, safety instructions and all information concerning this product.

Once you have become familiar with the Moduled 150, we recommend you keep a copy of these instructions for reference.

All information contained in this manual are subject to change without notice.

AYRTON reserves the right to change and improve all the products in its range over time, without having to incorporate the changes in the products previously sold.

02. SAFETY INSTRUCTIONS

Before installing and using your MODULED 150, carefully read the instructions and safety precautions of use listed below.

WARNING!

RISK OF ELECTRIC SHOCK
Be careful when handling, this device requires a high voltage which may cause a risk of electric shock.

Your MODULED 150 left our factory in perfect working order. However, if you notice a defect, you should immediately contact your AYRTON dealer before use.

The manufacturer cannot be held liable for damages caused by failure to follow safety instructions, installation or assembly, mentioned in this manual, or any change in your MODULED 150.

Failure to comply with the safety instructions, installation or assembly and editing your MODULED 150 lead to the nullification of the warranty.

Check that the Mains voltage does not exceed the maximum allowable voltage.

Make sure your electric installation is up to standard rules.

For reliable and safe operation, your MODULED 150 requires the use of a power cable hybrid type, specifically designed and marketed by AYRTON. This cable, not included with the product, is available as an option in a wide variety of lengths. You should use only the power cables original designed and manufactured by AYRTON with your MODULED 150.

Always check the cables for physical damage such as gashes, splices or breakages.

Handle these power cables with extreme caution if they are connected to the mains.

Always remember to check your MODULED 150 and the power cables you use together before each use.

Your MODULED 150 complies with the safety standards of Class 1.
Earth to the unit is supplied through the multifunction cable and EASYBOX HD, The EASYBOX HD must always be connected to earth.

The installation and electrical connections must be performed by a certified installer. AYRTON declines liability for any installation of your MODULED 150 by an unqualified person.

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WARNING !

Never connect or disconnect the power hybrid cable from your MODULED 150 when power is connected.

This may damage the internal electronics of your MODULED 150 and require repair.

Always cut power to your MODULED 150 by removing the power of connection box EASYBOX HD before connection or disconnection of your MODULED 150.

To disconnect your MODULED 150, do not pull on the power cable! Unscrew the blue ring connector of the power cable (not supplied) until its full disengagement, and then gently pull the connector to unplug the cable.

Do not connect or disconnect the power cable from your MODULED 150 with wet hands.

Be careful to never leave objects or liquid inside your MODULED 150 during operations set up filters dissemination within the device.

On first use, smells may come from your MODULED 150. It is a normal phenomenon that will fade after a few minutes of use.

03. USE AND APPLICATIONS

Your MODULED 150 is a fixture with multiple LED light sources (Light Emitting Diode) for professional use (Show Events, Clubs, Architectural lighting, Exhibitions, Museums, TV stages, Theatres…).

It was designed to be used indoors or outdoors.
Its index of protection is IP66.
Your MODULED 150 may in no case be partly or fully submerged, even temporarily.

Condensation may form on your MODULED 150 in the following cases:
- Immediately after having lit the device.
- In a steamed or very wet room or environment.
- When the MODULED 150 is brought from a cold environment in a warm environment.

In these cases, you must wait for the fixture to be returned to the ambient temperature of the room where it is placed before use.

If you open your MODULED 150 (for an introduction of a diffusion filter, for example), moisture from the air trapped in the device can cause the formation of condensation inside the fixture the next time it is used. This condensation will quickly fade as the MODULED 150 has an exhaust system humidity and pressure compensation valve fitted.

Do not shake your MODULED 150 at its setup or its manipulation.

Never move your MODULED 150 by the power cable. Use the handle of the fixture's body.

The choice of installation/location of your MODULED 150 is very important:
- You must not expose it to a heat source.
- You should not install it near flammable materials.
- You must ensure that dust and debris will not form on the housing and remain in the cooling fins of the body of MODULED 150, which may alter its optimal cooling and impair its operation.
- The MODULED 150 must be installed away from the public and all persons who are not empowered to maintain on the fixture.

You must comply with a minimum distance of 0.5 m between the surface output of the light beam and object to be illuminated.

By the nature of its principle of cooling (natural convection), you should never impede free air to circulate around the body of the fixture. You must provide a minimum clearance of 0.5 m around your MODULED 150 to promote cooling.

The installation of a MODULED 150 in a pit of soil or other confined enclosure can be done only under certain conditions. The MODULED 150 ensures its natural convection cooling, it is appropriate in this case installation to establish a forced ventilation system suitable for the air to circulate around the device.
The air must be constantly renewed, it can not be operated in a closed circuit. Failure to comply with these constraints could result in the destruction or premature wear out of MODULED 150, in which AYRTON could not be held responsible. Please consult your AYRTON dealer for more information on this type of facility.

No load can be applied on MODULED 150. It should never been installed into a recess. where objects may be placed on it or allow the passage of a person or vehicle or other object on the MODULED 150.

Never project or drop your MODULED 150 upon hard surfaces and all objects made of glass or porcelain (bottles, crockery, marbles,…). The MODULED 150 consists of aluminium smelting and glass, which makes it highly resistant but not unbreakable.
Falling objects made of hard materials such as steel or glass on the device may cause breakage of the glass or body thereof. AYRTON can not be held responsible for the breakage of the glass or the body of the fixture, which is excluded from the guarantee.

Warning: The temperature of the glass surface of your MODULED 150 is likely to reach 45°C, depending on its use. The body temperature of the aluminium device is however expected to reach 70°C. Verify that the application you intended to install your MODULED 150 is compatible with these informations.

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Make sure the support on which you hang your MODULED 150 can safely accept the weight of this device, 6.4 Kg, including all the safety factors required.

You must secure your MODULED 150 grip to the load-bearing structure with a safety bond or strap. The safety bond must be attached to the ring of security present on the MODULED 150, dedicated to that use. This ring of security is not provided for the suspension of your MODULED 150.

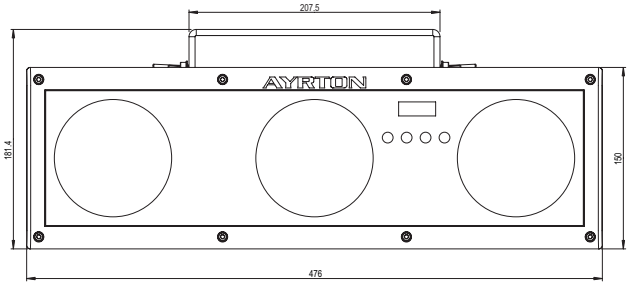
You should not use your MODULED 150 before being familiar with these recommendations, and you should not allow intervention on it by unqualified persons.

If your MODULED 150 should not be used for a long period, you must disconnect the power supply.
To transport your MODULED 150, it is strongly recommended to use its full original packaging, including 2 thermoformed shell protection.

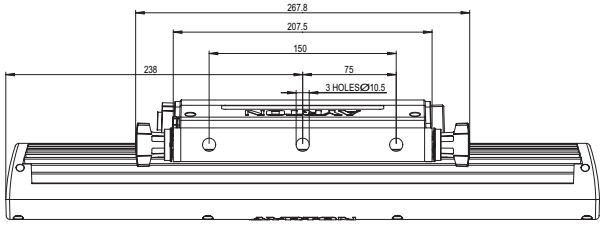
Your MODULED 150 should not be discarded in the trash, it must be recycled, as the logo on the label affixed to the fixture. Please refer to the laws in force in your country regarding the recycling of electronic devices.

04 - DIMENSIONS

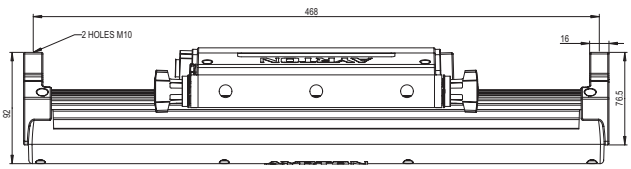
FRONT VIEW:



VIEW FROM ABOVE (WITHOUT THE FLANKS SIDE):

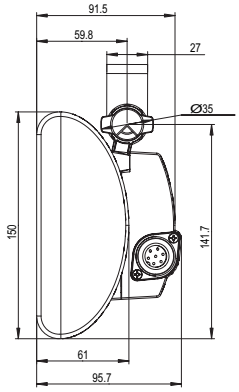


VIEW FROM ABOVE (WITH THE FLANKS SIDE):

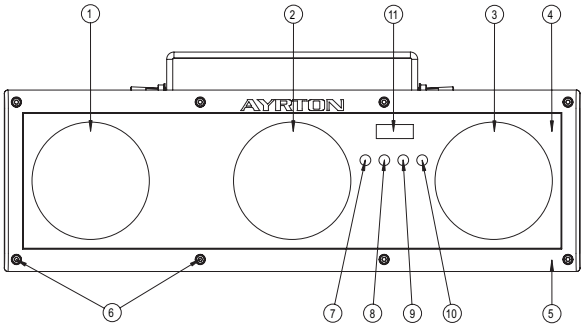


note : all dimension are in millimeters.

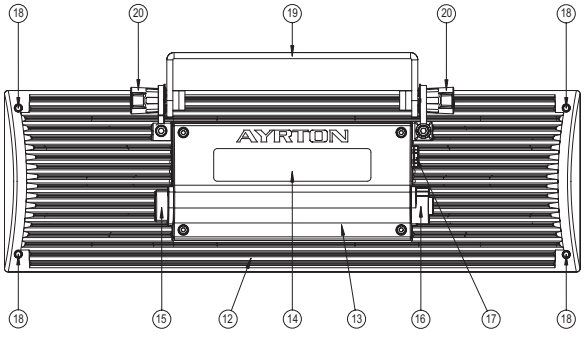
SIDE VIEW :



05 – DESCRIPTION



1. LED Matrix n°1
2. LED Matrix n°2
3. LED Matrix n°3
4. Tempered glass window
5. Aluminium front
6. Front window fixing screws
7. « MODE » Key
8. « UP » Key
9. « DOWN » Key
10. « ENTER » Key
11. Display



12. Fixture body
13. Power supply unit cover
14. Fixture Identification sticker bearing the serial number and model
15. 7-Core-HD-Multifonction input Connector
17. 7-Core-HD-Multifonction output Connector
18. Tapped holes for fastening flanges Sides or safety ring
19. Suspension yoke
20. Yoke tightening wheel

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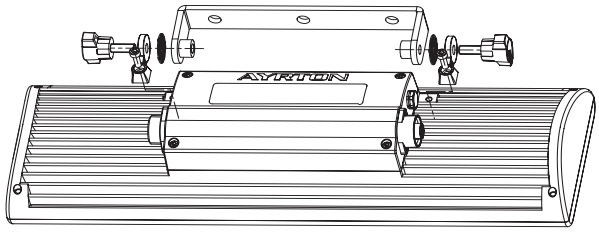
06. INSTALLATION

01. YOKE ASSEMBLY

Your MODULED 150 comes partially disassembled in its original packaging.
If you want to use the suspension yoke provided with the device, you need to mount the various elements as shown on the following chart :

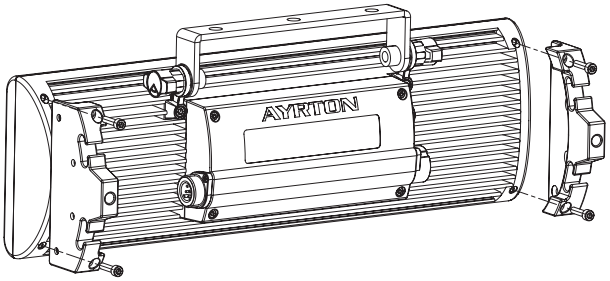


You must first install on the body of the fixture, on either side of the PSU cover, 2 brackets with the CHC M5 screws 2 x 16mm provided.
Next, place the yoke between media lyre and insert between these parts washers notched 27mm diameter (one on each side).
Finally, screw on each side of the yoke wheel clamping head M8 x 20mm plastic, passing it through the media yoke and the puck serrated.
Check the correct setting of the various elements of this package.

02. FLANK SIDES ASSEMBLY

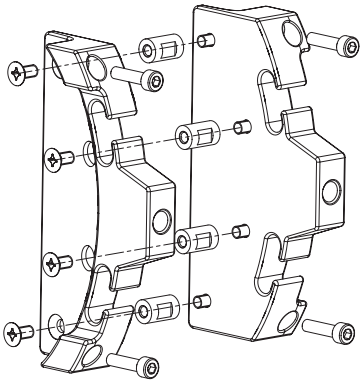
The MODULED 150 also comes with 2 lateral sides, which allow other types of MODULED 150 to be connected together.

These flanks allow to fix the fixture from the rear on an adjusted baking, using the M10 fixing inserts located in these flanks, for the realization of "CLUSTERS" MODULED 150 to a chassis for example .
In this case, the sides are to be mounted directly onto the body of MODULED 150, using the 4 x 22mm screw M5 provided (2 per side), as shown in the following diagram :

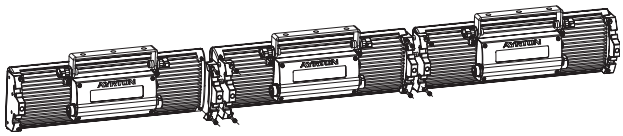


These sides can also be used to ensure solidarity among several MODULED 150 online.
In this case the flanks must be solidified between 2 MODULED 150 before assembling on MODULED 150.

The assembly of the 2 sides made within the timeline of the following diagram :



First the 4 pillars should be screwed (16mm) to the flanks, then screw the 8 screws TFHC M5 x 10mm (4 per side) to ensure the flanks have solidarity between them.
It will remain only to screw the sides on each MODULED 150 with the screws CHC M5 x 22mm provided.
This produces a linear projector including several MODULED 150, as shown in the following diagram where 3 MODULED are linked :



This system is only designed to offer a convenient way of matching the pixel distance between each MODULED 150 to offer excellent matrix characteristics it must not be moved or carried thus formed, to do so risks breakage of various elements on this assembly or fixture colapse.

03. OPTIONAL FILTER HOLDER SETUP :

An optional external filter holder is available as an option for your MODULED 150 (AYRTON product code: 025392).

This allows you to insert a filter especially for beam angle increasing of MODULED 150. A wide range of diffusion filters is available as an option for such use.

The filter holder also allows mounting of various optional accessories on your MODULED 150, such as Cap (Full Barndoor), Semi-cap (Half Barndoor), Matrix horizontal masking (Horizontal Barndoor) or Vertical masking Matrix (Vertical Barndoor).

All references and specific characteristics of all these optional accessories can be found in the Accessories section of this manual.

The optional external holder filter kit is composed of 3 parts, 2 plastic clips to be installed on the front of the MODULED 150, and holder filter allowing to drop the filter

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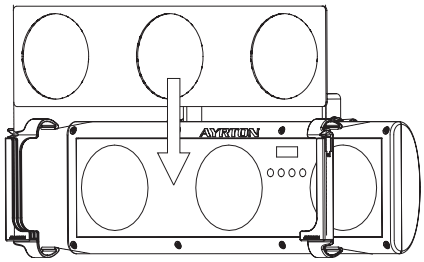
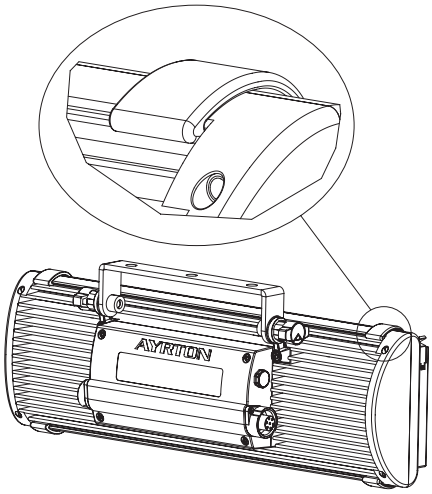
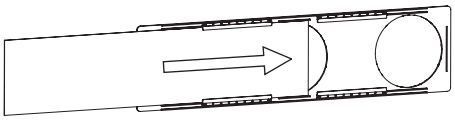
in and maintain the diffusion filter (this filter, available in different versions, is not supplied in the kit external filter holder and must be ordered separately).
The various components of this kit external filter holders are represented on the following basis :
(The MODULED 150 is represented here only for illustration, it is not part of Kit external filter holder)



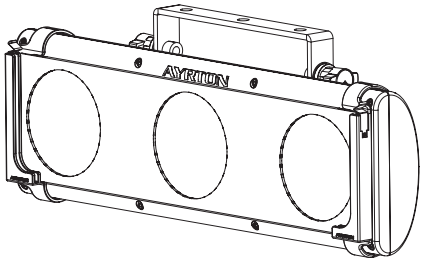
Caring in the Side 2 clips set up, according to the drawing above. The 2 clips side of this kit can be fastened on either side of the device and are held in place by locking in the wings at the back of the fixture body, as shown in the following diagram :



The diffusion filter slips into the filter holder in the following way:



Once the filter holder equipped with its diffusion filter, you can now drag into one of the grooves clips, the mounted kit of MODULED 150 corresponds to the following :



04. MOUNTING THE FILTER WITHIN THE MODULED 150

As part of a fixed installation, it is possible under certain conditions described below to install an optional diffusion filter directly in the MODULED 150.

This requires the opening of the unit, the establishment of a filter previously designed for this specific use, and replacement of the front panel respecting the special constraints of compression gasket.

WARNING:

During that operation, you will have direct access to sensitive electronic components of the device, and improper handling can cause a malfunction or even a defect in fixture water resistance.

The AYRTON guarantee will not be applicable if a malfunction or leakage occurs after installation of an interior filter.

If you have any doubt about this feature, don't do it yourself!

Contact your AYRTON dealer, they will be able to do it for you.

However, if you want to continue this operation, here in detail the procedure to be followed.

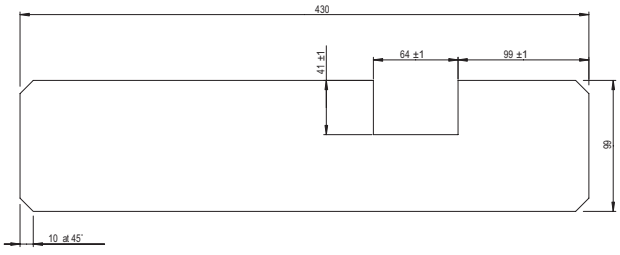
First, it is necessary to adjust the diffusion filter dimensions to be correctly installed in the MODULED 150.

Use only AYRTON filters inside the fixture, the use of any other type of filter non marketed by AYRTON is excluded and could result in the deterioration of your MODULED 150.

The dimensions of the special AYRTON diffusion filter MODULED 150 are 440 mm x 100 mm.

These dimensions are provided for use of this filter kit with the external filter holder (AYRTON product code: 025392) detailed in a previous section of this manual.

This filter to be installed directly in the MODULED 150, shall be cut in the following sizes (in millimeters) :



The MODULED 150 may now be opened for the insertion of the diffusion filter.
A few tools are needed, as a 3mm BTR key and a game of thickness hold.

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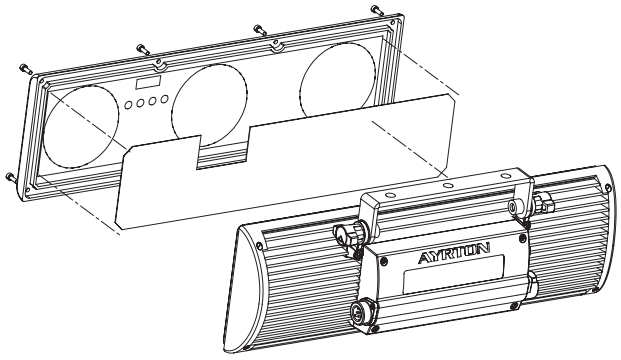
The operation is illustrated on the following chart :



Operation details :

- Put your MODULED 150 on a work surface adapted and free from dirt, dust and various liquids.
- With a BTR 3mm key, loosen the 4 front fixture screws, and then conclude with the 4 screws located at the corner of the front panel.
- Gently remove the front, and then remove the silicone seal also.

Warning, from that moment, you have access to the electronic system of the MODULED 150, work with concentration and care.

- Put down the fixture front cover upon your work area taking care not to place the moduled on any objects that may damage the device, screen down and seal housing upwards.
- Set up the diffusion filter (previously cut) in the space available inside the front, caring to place the portion of the filter holes dedicated to infrared keys of the fixture in front of those holes.
- Place the joint in the slot provided on the front panel of MODULED 150.
- Gently remove the body of MODULED 150, keeping special attention to correctly placing the seal on the entire periphery of the device.
- Keep your hands between the front and the body of the fixture, then return it, front upwards.

Replace the 8 screws on the front panel in place by screwing on a few turns only, leave the screws loose.

- Tighten the 4 first central screws, in order to leave a gap of 2 mm between the front and the body of the fixture, and make sure the gasket stays in place during this phase.
- Repeat this process for the 4 corner screws of the front panel.
- With a the game shims installed, tighten the screws one by one, leaving a distance between the front and the body of the device of 1.5 mm.

The operation is now over, it remains to verify the correct operating of your MODULED 150 before it is permanently installed.

05. PROJECTOR RIGGING

Your MODULED 150 can mounted on a structure in any position without affecting its operation.

To install your MODULED 150, you must use suspension collars with thread M10 (not supplied). They must be licensed and able to withstand a load 10 times greater than the weight of the projector for 1 hour and without any distortion.

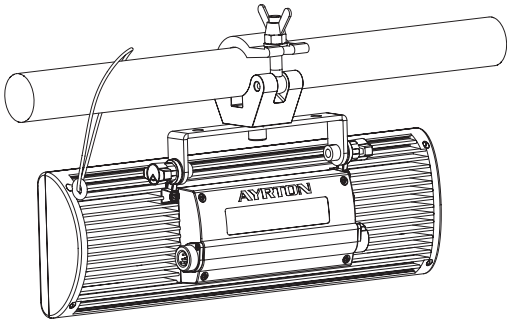
Attach the necklace suspension on the central hole of the fixture's yoke with a M10 screw and a nut (these elements make screws should be a minimum 8.8 grade). Use washers M10 between the different elements, and make sure the fixing once tightened will not go loose. The use of star washers or Nyloc Nut is recommended.

Before hanging your MODULED 150 to the structure, make sure that the associated accessories (filter holder, for example) are properly set.

Hang your MODULED 150 on the structure by placing the front of the base to the area to be illuminated. Make sure you are locking collars suspension.

You must install an independent safety sling to supplement the failure of the main suspension. This sling security shall be capable of withstanding a load 10 times greater than the weight of the projector.
The safety bond must be set at the ring of security MODULED 150. This ring of security, supplied with the unit should be screwed into the body of the fixture as described in the Description section of this manual.

The following diagram illustrates the correctness hanging of a MODULED 150 on a support-type tubular structure



06. MODULED 150 CONNECTION

Your MODULED 150 can not work alone.
Its use requires the use of a connection box EASYBOX HD (AYRTON Code: 075130) and specific AYRTON cables of various length.
The use of an external controller issuing a command signal format DMX512 is also required.

The MODULED 150 can be connected in series with each other through the use of specific AYRTON cables, the exit of previous MODULED 150 being connected to the entrance to the following MODULED 150.
The power supply for the fixtures passes through the box connection EASYBOX HD.

The command signal DMX 512 also passes by the connection box EASYBOX HD.

The following diagram illustrates the connection of a series of MODULED 150 :

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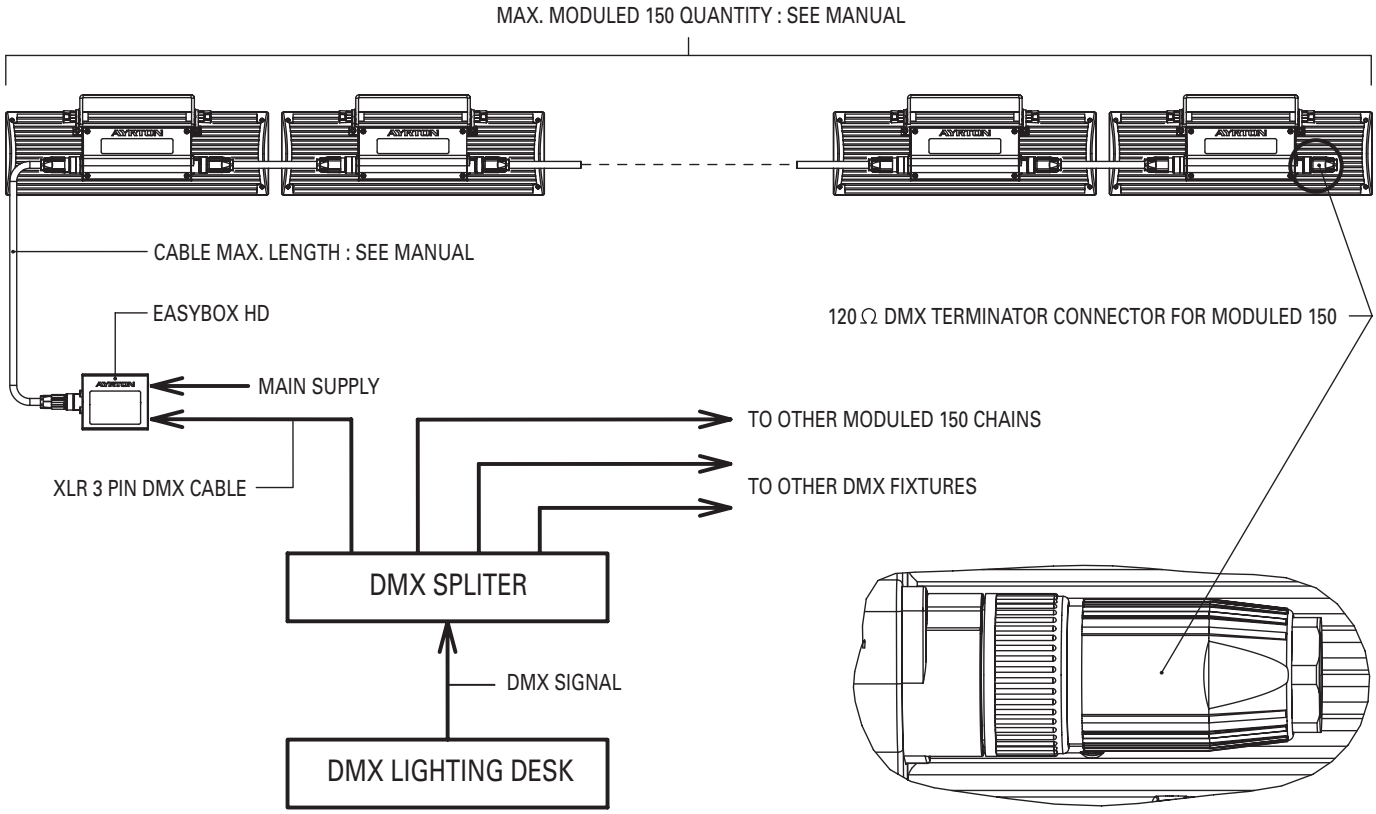
MAX. MODULED 150 QUANTITY : SEE MANUAL
CABLE MAX. LENGTH : SEE MANUAL
EASYBOX HD
120 Ω DMX TERMINATOR CONNECTOR FOR MODULED 150
MAIN SUPPLY
TO OTHER MODULED 150 CHAINS
XLR 3 PIN DMX CABLE
TO OTHER DMX FIXTURES
DMX SPLITER
DMX SIGNAL
DMX LIGHTING DESK

THE MODULED 150 has an internal universal power supply, so it can work in either 110 VAC, 208 VAC or 230 VAC.

However, the currents vary for each mains voltage level. It is necessary to adjust the amount of MODULED 150 that can be connected in series in a row in terms of the sector and lengths of cable used.

The Maximum current consumption of the line composed of MODULED 150 should never exceed 10A.

The table below will indicate the amount of MODULED 150 which can be connected on a single connection box EASYBOX HD depending on the conditions of use :

Voltage 230 VAC: Maximum 10 MODULED 150 Connected in series in a sector line.

Voltage 110 VAC: Maximum 5 MODULED 150 Connected in series in a sector line.

In any case, do not exceed a 50 meters length between EASYBOX HD and the last MODULED 150 of the line, consisting in several devices connected in series.

Connecting the EASYBOX HD, and therefore your MODULED 150, on a dimmer highly deteriorates these devices!

The EASYBOX HD (and therefore your MODULED 150) must be connected to the Earth.

On the last MODULED 150 of the line, it is recommended to place a specific AYRTON cap DMX line ending. The AYRTON code of this optional accessory is: 025398.

If you do not use this accessory, be sure to set up on the output connector of the last MODULED 150 of the line the cap seal of origin, came with the device.

WARNING:

Never perform connection or disconnection of any cable from the MODULED 150 line without power off before the connection box EASYBOX HD.

This Golden Rule is particularly important for MODULED 150, unless you risk to damage the products.

The connection of 2 MODULED 150 side by side needs a hybrid multifunction 0.28 m cable length.

The multifunction connectors installed on the multipurpose AYRTON cables for connecting the MODULED 150 are elements watertight locking.

Their correct use requires an understanding of the method of connection or disconnection appropriate to use.

You must not turn the body connectors, but act on the locking ring for their connection or disconnection.
Failure to comply with this rule can cause damage to the cables and risk breaking your MODULED 150 when used with a damaged cable.

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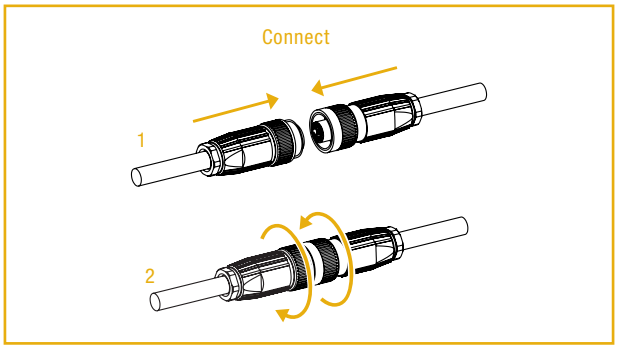
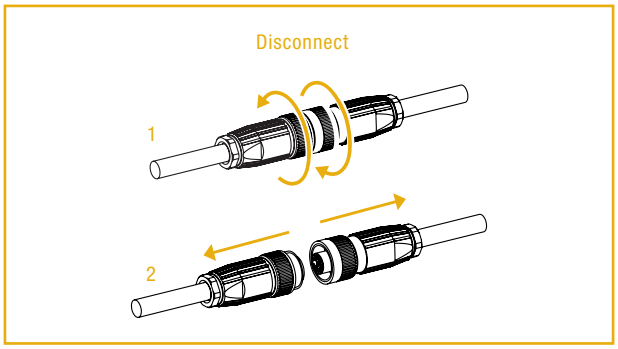
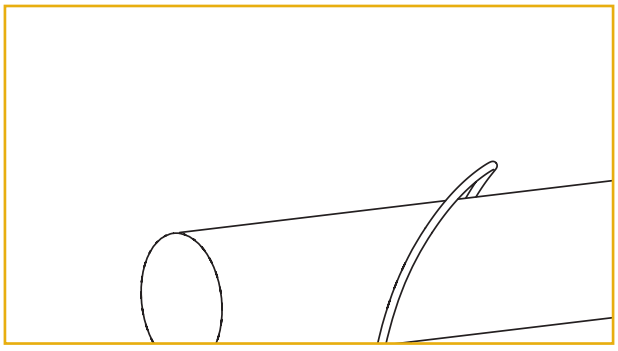
The charts below show you how :







The connection box EASYBOX HD comes without power cable.
A detailed lockable and removable type PowerCON (Model filed NEUTRIK) is provided with the EASYBOX HD, for the purpose of adapting a power cord with a Male plug corresponding to the standard of your country.

Depending on the country, the identification of cables sector is different.

You are reminded below, in order to achieve a cable line.

Connections		Marks	
Wire	Contact	International	UK
Brown	Phase	L	Red
Blue	Neutre	N	black
Yellow/Green	Earth	EARTH	Green

To put power up your **MODULED 150,** it must first have been connected as described above. Then turn to the right description of the PowerCON EASYBOX HD enclosure to feed your **MODULED 150**.

To cut off power to your **MODULED 150**, you pull the tab to unlock position in the PowerCON, then turn this portfolio to the left, then finally remove this portfolio Enclosure this connection EAXYBOX HD. Your MODULED is now powered off.

07. DMX 512 CONNECTIONS

The cables used for routing the DMX512 signal command until EASYBOX HD connection box that powers your **MODULED 150** must conform to the standards EIA 422A & EIA 485. Make sure to use the shielded cable to twisted pair. Never use a microphone cable, it does not permit reliable transmission over long distances. For lengths in excess of 300 meters, it is advisable to use an amplifier line.

Connect the cable from your DMX controller on the EASYBOX HD base DMX IN connection that feeds your **MODULED 150**.

The base DMX IN Enclosure of the EASYBOX HD is the 3-pin XLR.

The pin wiring is as follows:

1. DMX GND
2. DATA (-)
3. DATA (+)

The connection box EASYBOX HD has no DMX exit, as the DMX 512 standard prohibits the DMX signal 512 wiring in star, only the wiring in series of different DMX receptors (including **MODULED 150**).

If you need to use more than one line consisting of one or more **MODULED 150**, or other devices controlled by DMX with your DMX controller, it is necessary to use a DMX Splitter allowing you from a line of DMX512 to obtain several DMX512 lines identical but separate.

The use of this device offers the advantage of protecting the different lines DMX obtained by an electrically insulating, sharply limiting the damage that can occur in the event of damage to one of the devices in the DMX channel.
This type of device is offered by a wide variety of specialized manufacturers in DMX signal 512 management.

To ensure reliable transmission of DMX information, it is imperative to complete the DMX 512 line with a DMX terminating cap specific to AYRTON. This is to be put in place on the last **MODULED 150** of the line.
The Code AYRTON this optional accessory is: 025398.

If you do not use this accessory, be sure to set up on the output connector of the last **MODULED 150** of the line, cap seal of origin, came with the device.

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07. PROTOCOL

The MODULED 150 is available in several versions of LED light sources.

The different versions offered are:

› MODULED 150 RGB
This projector combines LED sources such as RED, GREEN and BLUE, which provides a palette of 16.7 million colours, colours additive.

› MODULED 150 AWW
This projector combines LED sources of WHITE and AMBER, which provides a white light color temperature varies.

› AWB MODULED 150
This projector combines LED sources such as WHITE, BLUE and AMBER, which provides a white light variable color temperature larger than the model version AWW.

Depending on the type of MODULED 150 used, the DMX of these devices is different, the number of channels required for DMX control varies.

In addition, these modes have several DMX settings, which provide extensive opportunities, you can actually adjust the number of channels DMX necessary for the operation of the fixture.

A flexible control by the user according to its specific needs is then proposed.

01. MODULED 150 RGB DMX PROTOCOL

The MODULED 150 RGB can be configured in different 6 DMX MODES.
The DMX mode that suits best the user is selected via the MODE menu of the fixture.

› MODE 3 channels DMX (03cH)
1. RED (For all 18 LEDS Matrix)
2. GREEN (For all 18 LEDS Matrix)
3. BLUE (For all 18 LEDS Matrix)

› MODE 4 channels DMX (04cH)
1. RED (For all 18 LEDS Matrix)
2. GREEN (For all 18 LEDS Matrix)
3. BLUE (For all 18 LEDS Matrix)
4. DIMMER (0 : dimmer closed => 255 : dimmer opened)

› MODE 6 channels DMX (06cH)
1. RED (For all 18 LEDS Matrix)
2. GREEN (For all 18 LEDS Matrix)
3. BLUE (For all 18 LEDS Matrix)
4. STROBE (0 : no strobe > to 255 : extensive strobe effect)
5. COLOR MACRO (0 : Slow colour variation > 255 : fast colour variation)
6. DIMMER (0 : dimmer closed > 255 : dimmer opened)

› MODE 9 channels DMX (09cH)
1. RED (For 18 LEDS Matrix n°1)
2. GREEN (For 18 LEDS Matrix n°1)
3. BLUE (For 18 LEDS Matrix n°1)
4. RED (For 18 LEDS Matrix n°2)
5. GREEN (For 18 LEDS Matrix n°2)
6. BLUE (For 18 LEDS Matrix n°2)
7. RED (For 18 LEDS Matrix n°3)
8. GREEN (For 18 LEDS Matrix n°3)
9. BLUE (For 18 LEDS Matrix n°3)

› MODE 10 channels DMX (10cH)
1. RED (For 18 LEDS Matrix n°1)
2. GREEN (For 18 LEDS Matrix n°1)
3. BLUE (For 18 LEDS Matrix n°1)
4. RED (For 18 LEDS Matrix n°2)
5. GREEN (For 18 LEDS Matrix n°2)
6. BLUE (For 18 LEDS Matrix n°2)
7. RED (For 18 LEDS Matrix n°3)
8. GREEN (For 18LEDS Matrix n°3)
9. BLUE (For 18LEDS Matrix n°3)
10. DIMMER (0 : dimmer closed > 255 : dimmer opened)

› MODE 12 channels DMX (12cH)
1. RED (For 18LEDS Matrix n°1)
2. GREEN (For 18LEDS Matrix n°1)
3. BLUE (For 18LEDS Matrix n°1)
4. RED (For 18LEDS Matrix n°2)
5. GREEN (For 18LEDS Matrix n°2)
6. BLUE (For 18LEDS Matrix n°2)
7. RED (For 18LEDS Matrix n°3)
8. GREEN (For 18LEDS Matrix n°3)
9. BLUE (For 18LEDS Matrix n°3)
10. STROBE (0 : no strobe > to 255 : extensive strobe effect)
11. COLOR MACRO (0 : Slow colour variation > 255 : fast colour variation)
12. DIMMER (0 : dimmer closed > 255 : dimmer opened)

02. MODULED 150 AWW DMX PROTOCOL

The MODULED 150 RGB can be configured in different 6 DMX MODES.
The DMX mode that suits best the user is selected via the MODE menu of the fixture.

› MODE 2 channels DMX (02cH)
1. AMBER (For all 18 LEDS Matrix)
2. WHITE (For all 18 LEDS Matrix)

› MODE 3 channels DMX (03cH)
1. AMBER (For all 18 LEDS Matrix)
2. WHITE (For all 18 LEDS Matrix)
3. DIMMER (0 : dimmer closed > 255 : dimmer opened)

› MODE 5 channels DMX (05cH)
1. AMBER (For all 18 LEDS Matrix)
2. WHITE (For all 18 LEDS Matrix)
3. STROBE (0 : no strobe > to 255 : fast strobe effect)
4. COLOR TEMP. (0 : AMBER > 128 : AMBER + WHITE > 255 : WHITE)
5. DIMMER (0 : dimmer closed > 255 : dimmer opened)

› MODE 6 channels DMX (06cH)
1. AMBER (For 18LEDS Matrix n°1)
2. WHITE (For 18LEDS Matrix n°1)
3. AMBER (For 18LEDS Matrix n°2)
4. WHITE (For 18LEDS Matrix n°2)
5. AMBER (For 18LEDS Matrix n°3)
6. WHITE (For 18LEDS Matrix n°3)

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› MODE 7 channels DMX (07cH)

1. AMBER (For 18LEDS Matrix n°1)
2. WHITE (For 18LEDS Matrix n°1)
3. AMBER (For 18LEDS Matrix n°2)
4. WHITE (For 18LEDS Matrix n°2)
5. AMBER (For 18LEDS Matrix n°3)
6. WHITE (For 18LEDS Matrix n°3)
7. DIMMER (0 : dimmer closed => 255 : dimmer opened)

› MODE 9 channels DMX (09cH)

1. AMBER (For 18LEDS Matrix n°1)
2. WHITE (For 18LEDS Matrix n°1)
3. AMBER (For 18LEDS Matrix n°2)
4. WHITE (For 18LEDS Matrix n°2)
5. AMBER (For 18LEDS Matrix n°3)
6. WHITE (For 18LEDS Matrix n°3)
7. STROBE TEMP. (0 : no strobe > to 255 : fast strobe effect)
8. COLOR (0 : AMBER > 128 : AMBER + WHITE > 255 : WHITE)
9. DIMMER (0 : dimmer closed > 255 : dimmer opened)

03. MODULED 150 AWB DMX PROTOCOL

The **MODULED 150** RGB can be configured in different 6 DMX MODES.

The DMX mode that suits best the user is selected via the MODE menu of the fixture.

› MODE 3 channels DMX (03cH)

1. AMBER (For all 18 LEDS Matrix)
2. WHITE (For all 18 LEDS Matrix)
3. BLUE (For all 18 LEDS Matrix)

› MODE 4 channels DMX (04cH)

1. AMBER (For all 18 LEDS Matrix)
2. WHITE (For all 18 LEDS Matrix)
3. BLUE (For all 18 LEDS Matrix)
4. DIMMER (0 : dimmer closed > 255 : dimmer opened)

› MODE 6 channels DMX (06cH)

1. AMBER (For all 18 LEDS Matrix)
2. WHITE (For all 18 LEDS Matrix)
3. BLUE (For all 18 LEDS Matrix)
4. STROBE (0 : no strobe => to 255 : fast strobe effect)
5. COLOR TEMP. (0 : AMBER => 64 : AMBER + WHITE > 128 : WHITE >192 : WHITE + BLUE > 255 : BLUE)
6. DIMMER (0 : dimmer closed => 255 : dimmer opened)

› MODE 9 channels DMX (09cH)

1. AMBER (For 18 LEDS Matrix n°1)
2. WHITE (For 18 LEDS Matrix n°1)
3. BLUE (For 18 LEDS Matrix n°1)
4. AMBER (For 18 LEDS Matrix n°2)
5. WHITE (For 18 LEDS Matrix n°2)
6. BLUE (For 18 LEDS Matrix n°2)
7. AMBER (For 18 LEDS Matrix n°3)
8. WHITE (For 18 LEDS Matrix n°3)
9. BLUE (For 18 LEDS Matrix n°3)

› MODE 10 channels DMX (10cH

1. AMBER (For 18 LEDS Matrix n°1)
2. WHITE (For 18 LEDS Matrix n°1)
3. BLUE (For 18 LEDS Matrix n°1)
4. AMBER (For 18 LEDS Matrix n°2)
5. WHITE (For 18 LEDS Matrix n°2)
6. BLUE (For 18 LEDS Matrix n°2)
7. AMBER (For 18 LEDS Matrix n°3)
8. WHITE (For 18 LEDS Matrix n°3)
9. BLUE (For 18 LEDS Matrix n°3)
10. DIMMER (0 : dimmer closed => 255 : dimmer opened)

› MODE 12 channels DMX (12cH)

1. AMBER (For 18 LEDS Matrix n°1)
2. WHITE (For 18 LEDS Matrix n°1)
3. BLUE (For 18 LEDS Matrix n°1)
4. AMBER (For 18 LEDS Matrix n°2)
5. WHITE (For 18 LEDS Matrix n°2)
6. BLUE (For 18 LEDS Matrix n°2)
7. AMBER (For 18 LEDS Matrix n°3)
8. WHITE (For 18 LEDS Matrix n°3)
9. BLUE (For 18 LEDS Matrix n°3)
10. STROBE 0 : no strobe > to 255 : fast strobe effect)
11. COLOR TEMP. (0 : AMBER > 64 : AMBER + WHITE > 128 : WHITE >192 : WHITE + BLUE > 255 : BLUE)
12. DIMMER (0 : dimmer closed > 255 : dimmer opened)

08. CONTROL

The **MODULED 150** has an integrated user interface, composed of a 4-digit LED display and 4 buttons located on the fixture's front.
These elements provide access to the drop-down menu **MODULED 150** authorizing the consultation or change its parameters, such as:

› DMX Address

› Modes of operation (DMX channels figure)

› Hour Count Schedule

› Internal Temperature

› Software version

› And many more…

01. INFRA-REDS KEYS

Searching in the drop-down menu **MODULED 150** is effected by means of 4 infra- RED keys located on the front of the fixture.
The functionality of these keys which described below.

MODE Key
Performs a step backwards in the tree of dropdown
Allows you to return to your base display

UP Key
Go to the next section of the menu
Allows a selected value increment

DOWN Key
Scrolls to the previous menu item
Allows a decrement selected value

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ENTER Key
Lets go into a section of the drop-down menu
Validates selection

The infra-REDs keys self-adjust every time power is applied to the **MODULED 150**, and then continuously during use, to operate in accordance with the external light conditions.

Indeed, according to the ambient lighting conditions where is the **MODULED 150**, infrared radiation perceived by these keys is different and must be taken into consideration.

During this Power On phase, which lasts a few seconds, **MODULED 150** does not take into account the orders it receives from DMX, and the device display presents 4 points from the bottom lit.
You should not touch these keys during this phase.

Please note that when using the optional external filter holder installed on the **MODULED 150**, you do not have access to infra-red keys.

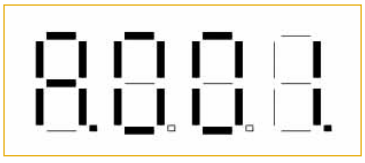
In this scenario, set up your **MODULED 150** without the filter holder, and then put it off. Then install the filter holder, put your **MODULED 150** switched on. It will function properly.

A lighting sources with a big amount of infra-red rays (sunlight, fluorescent tubes based light, ...) can interfere with the proper functionning of the keys of the device.
Make sure to reduce the illumination of the **MODULED 150** keys by such lighting during the calibration.

A simple method is to put one hand on the top of the display/keys area to mask light, while the other hand acts on keys to navigate into the **MODULED 150** menu.

02. DISPLAY

A 4-digit LEDS display can read information from the drop-down menu on the device.
This display looks like the following:



The MODULED 150 default display (when it is unlocked) corresponds to the DMX address settled on it (001 in DMX address in the illustration above).
The display "A001" for example shows that the unit is set to DMX address 001, and that its 1st channel control reacts at 001.
It should be noted that the MODULED 150 is set default address DMX 001 from factory.

The fixed point turned to the left of the display is an indicator of the voltage presence.
This light, which remains lit even when the MODULED 150 is in Stand-by mode, ensured that the device is powered.

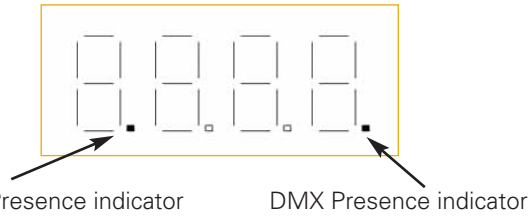
If a DMX signal is present, the point at the bottom right of the display flickers once every second to indicate the presence of the command signal.
This light is active even though the MODULED 150 is into standby mode.

03. STAND BY MODE : MODULED 150 UNLOCKING

If no action is taken on the keys of **MODULED 150**, the device rapidly turns into Stand-by mode.

In this mode, **MODULED 150** is operational, but the display is turned off, only remain on the presence of witnesses Voltage (permanent ignition) and DMX presence (flashes once per second if the signal is present DMX).

The display of **MODULED 150** present in this mode look like the following :



To unlock the MODULED 150 when it is in the Standby mode, you must :

Press simultaneously **MODE** and **ENTER** keys.
(2 points in the middle of the display are illuminated)

Then press simultaneously **UP** and **DOWN** keys.

The display of **MODULED 150** becomes active, you can then change its settings or review information for the fixture, which are stored in its internal memory.

If you do not touch its keys, **MODULED 150** then goes very quickly on STANDBY mode automatically.

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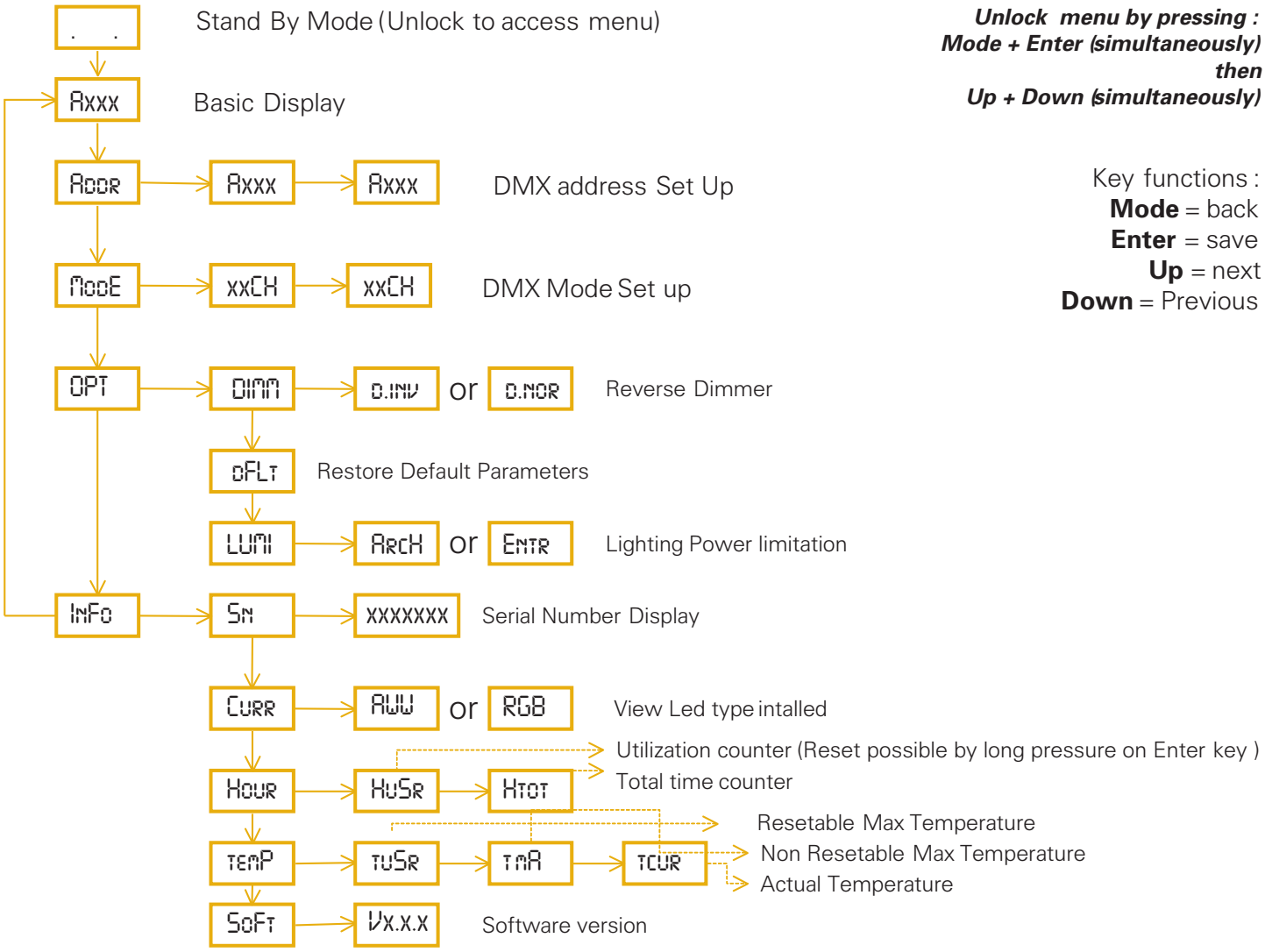
09. MODULED 150 MENU

9-1- MODULED 150 MENU CHART

The drop-down **MODULED 150** menu is organized as follows :



Unlock menu by pressing : Mode + Enter (simultaneously) then Up + Down (simultaneously)

Key functions :
Mode = back
Enter = save
Up = next
Down = Previous

02. DMX ADRESS MENU

ADDR

This menu lets you adjust the DMX address of **MODULED 150**.

Press the **Enter** key.
A flashes on the display.
Using the **Up** and **Down** keys to settle DMX desired address for the device.
Press the **Enter** key to validate your selection, or the **Mode** key to emerge from this menu without applying your changes of address DMX.

03. DMX MODE MENU

MODE

This menu allows you to set the modes of operation of **MODULED 150**.
This mode of operation determines the number of DMX channels required for the control of **MODULED 150**.
The number of channels of DMX control available differs depending on the nature of your **MODULED 150**.

If your **MODULED 150** version is **RGB** (combination of LEDs RED / GREEN / BLUE), or versions AWB (combination of LEDs AMBER / WHITE / BLUE), the number of control channels available is user selectable :

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› 3 channels DMX (03cH)

› 4 channels DMX (04cH)

› 6 channels DMX (06cH)

› 9 channels DMX (09cH)

› 10 channels DMX (10cH)

› 12 channels DMX (12cH)

If your **MODULED 150** version is AWW (combination of LEDs and AMBER WHITE), the number of control channels available is user selectable :

› 2 channels DMX (02cH)

› 3 channels DMX (03cH)

› 5 channels DMX (05cH)

› 6 channels DMX (06cH)

› 7 channels DMX (07cH)

› 9 channels DMX (09cH)

Press the **Enter** key.
cH flashes on the display.
Using the **Up** and **Down** keys to adjust the DMX mode desired for the fixture.
Press the **Enter** key to validate your selection, or the **Mode** button to emerge from this menu without apply your changes to the number of DMX channels exploited.

04. OPTIONS MENU

This menu provides access to **MODULED 150** options. This menu is divided into 3 sections: **DIMMER** / **DEFAULT** / **BRIGHTNESS**, by pressing **Up** and **Down** on the fixture.

01. DIMMER

This menu is used to determine the meaning of variation of dimmer (dimmer).

› Dimmer reversed **(d.inv)**
The operation of the dimmer is inversely proportional to the change in command DMX.
If the value of orders DMX is 0%, Dimmer is open.
If the value of DMX command is 100%, Dimmer is closed.

› Dimmer normal **(d.nor)**
The operation of the dimmer is proportional to the change in command DMX.
If the value of orders DMX is 0%, Dimmer is closed.
If the value of DMX command is 100%, Dimmer is open.

Press the **Enter** key.
d. Flashes on the display.
Using the **Up** and **Down** keys to adjust the control Dimmer wanted for the unit.
Press the **Enter** key to validate your selection, or the **Mode** key to emerge from this menu without applying your changes to the Dimmer.

02. DEFAULT VALUES

This menu allows you to restore the default values paid in the **MODULED 150** factory output, namely:

› DMX Address: 001

› DMX Mode: 12-channel DMX (RGB version)
9-channel DMX (AWW and AWB version)

In this menu, press **Enter** : 4 points of the display is lit one by one, then the display back on the display (dFLt). The **MODULED 150** took over the original factory settings. Push **Mode** to break this menu.

03. BRIGHTNESS

This menu allows you to set the fixture's brightness. There are 2 distinct modes in **MODULED 150** :

› Mode **"Entertainment"** (**Entr**), which allows you to maximize the power of the device, depending on temperature conditions outside. When the **MODULED 150** is cold, the available power is maximum. If the temperature rises too, **MODULED 150** will reduce its power to secure its temperature. This mode is recommended for ephemeral events where lighting of **MODULED 150** must be optimal.

› The "**Architectural Style**" (**ArcH**), which guarantees a stable luminous flux of the fixture, in return for a light output lower than for the way "Entertainment". This mode is called for as part of the fixed installations **MODULED 150** where the constant flux is important. It is also recommended to use this mode where the **MODULED 150** is often asked to values close to 100% of its power.

In this menu, press the **Enter** key.
The mode **Entertainment** (**Entr**) or **Architectural** (**ArcH**) appears as appropriate.
Press again the **Enter** key is flashing selection.
Acting on the keys **Up** or **Down** to change the selection.
Press the **Enter** key to validate your selection, or the **Mode** key to emerge from this menu without apply your changes.

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05. INFORMATIONS MENU

INFO

This menu gives access to certain information available on the MODULED 150.

This menu offers 5 topics, Serial Number / Release Software / temperature / Counter Schedule / Setting versions of LEDs, by pressing Up and Down the fixture.

01. SERIAL NUMBER

SN

This menu lets you see the MODULED 150 number (ID number). It is this issue which is recognized by the interface settings of optional external COUGAR 2.

This number is also reported on a label (ID. Number) affixed to the hood power of the device.

Press Enter, the number of the fixture on display scrolls.

Press the Mode key to emerge from this menu.

02. SOTWARE VERSION

SOFT

This menu allows you to view the software version installed in the MODULED 150.
Press the Enter key.
The software version appears on the display, type vX.X.X
Press the Mode key to emerge from this menu.

03. TEMPERATURE

TEMP

This menu allows you to view the internal temperature of the device.
This menu offers 3 topics accessible by the Up and Down keys to the fixture :

› User Temperature (tuSr), which can be rewound.
› Maximum temperature (tmA), which can not be rewound.
› Current Temperature (tcur)

USER TEMPERATURE

TUSR

Press the Enter key.
The display shows information on the type t XX where XX is the maximum temperature in Celsius (°C) recorded by the fixture since the last reset of this parameter.
Maintaining the Enter key pressed for 3 seconds to deliver this value to zero if necessary, and if not then press the mode button to exit.

MAXIMUM TEMPERATURE

TMA

Press the Enter key.
The display shows information on the type t XX where XX is the value of the maximum internal temperature recorded since the beginning of the existence of MODULED 150. (Also value expressed in Celsius).
This value can not be rewound.
Press the Mode key to exit.

ACTUAL TEMPERATURE

TCUR

Press the Enter key.
The display shows information on the type tXX, where XX is the value of instant the internal temperature of the MODULED 150, expressed in degrees Celsius.
Press the Mode key to exit.

04. SCHEDULE COMPTER

HOUR

In this menu you can see the age of the fixture, expressed in hours.
This menu offers 2 topics accessible by the Up and Down keys to the device:
› Count Schedule user (HuSr), which can be reset.
› Count Hours Total (Htot), which can not be reset.

COUNT USER SCHEDULE

HUSR

Press the Enter key.
The display shows information on the type H XX.X, XX.X which is the number of hours of use MODULED 150 since the last reset of this parameter.
When the number of hours above a specific level on 3 displayable characters, this value becomes scrolling on the display.

Maintaining the Enter key pressed for 3 seconds to deliver this value to zero if necessary, and if not then press the Mode button to exit.

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TOTAL COUNT SCHEDULE

HTOT

Press the **Enter** key.
The display shows information on the type **H XX.X, XX.X** which is the total hours of operation of **MODULED 150**.
This value can not be rewound.
Press the **Mode** key to exit.

05. LEDS COLOURS PRE-SET

CURR

This menu shows for what kind of combination of LED light sources the electronics of **MODULED 150** is optimized.

Indeed, the control of LEDs different nature imposes an adaptation of the internal parameters of command, and the number of DMX channels required by the apparatus varies depending on LEDs located in the latter.

This concept is not helpful to users of the device, it has to be verifiable by the technician responsible for maintaining the **MODULED 150**.

Press **Enter**.
The display indicates (rgB), (Auu) or (AuB) depending on the model **MODULED 150**.
Press the **Mode** key to exit.

10. SETTING THE MODULED 150 VIA COUGAR 2

The **MODULED 150** can be set remotely with the interface AYRTON COUGAR 2 via wired DMX512 connection.

The COUGAR 2 connects directly DMX base present on the connection box EASYBOX HD that feeds the **MODULED 150** you want to set.

The COUGAR 2 has the advantage that it can be used as a deported assignment device, but it is also possible to use USB interface for a computer-type PC.

A software AYRTON, COUGAR 2 MANAGER, lets you modify settings on **MODULED 150** but also other luminaries of the AYRTON range quickly and simply, without having to intervene locally on each appliance.

Please consult the user manual COUGAR 2 for a detailed functionality offered by this system.

11. TECHNICAL SPECIFICATIONS

01. OPTICS

- Optics secondary high efficiency PMMA
- Open angle of the beam: 11 °
- Filters broadcasters optional

02. SOURCE

- High Power LEDs
- No light source to replace
- Model RGB: 18 LEDs REDs, 18 LEDs GREEN, BLUE 18 LEDs
- Model AWW: 18 LEDs AMBERs, 36 LEDs WHITE
- Model AWB: 18 LED AMBERs, 18 LEDs WHITE, BLUE 18 LEDs
- Total luminous flux: up to 3600 Lumen (RGB model) up to 3000 Lumen (model AWW), up to 2400 Lumen (model AWB)
- LEDs Lifetime estimated: 50,000 hours

03. COLOURS

- System mixing colors RED, GREEN and BLUE design RGB
- System AMBER mix of colors and design WHITE AWW
- System AMBER mix of colors, and WHITE BLUE design AWB
- 16.7 million colors and RGB models on AWB
- 65536 colour shades on model AWW
- The variation effect of colour automatic variable speed design RGB
- Canal colour temperature change of models on proportional AWW and AWB

04. FROST, DIFFUSION

- Filters broadcasters 13 °, 24 °, 33 ° or 42 ° available as an option (Beam type Spot)
- Filters broadcasters 33 ° x13 ° or 62 ° x16 ° Horizontal vertical or available as an option (Beam type Ellipse)

05. DIMMER, STROBE

- Electronic Dimmer for a perfect adjustment of the light from 0 to 100% with no variation in color
- WHITE strobe effect or color with adjustable speed of 1 to 25 flashes per second

06. SOFTWARE FACILITIES

- Addressing the projector and its parameters via integrated control panel
- Hours integrated
- Temperature Display
- Display abnormalities
- Setting remotely possible via the control box optional COUGAR 2
- Updating the software via the internal control box optional COUGAR 2

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07. CONTROL

› Controlling performance via DMX 512
› Input / Output DMX 512 connector via Hybrid 7 core multi-functions
› 3, 4, 6, 9, 10 or 12 channels to choose DMX 512 models on RGB and AWB
› 2, 3, 5, 6, 7 or 9 DMX 512 channels to choose and RGB models on AWB

08. POWER SUPPLY

› Active PFC Power Supply
› 90 to 250 Volts - 50-60Hz
› Power 150 Watts
› Input / Output power via multi-Hybrid 7 Core connector functions

09. COOLING

› Natural convection with control parameters
› Protection against excessive temperature

10. CONSTRUCTION

› Front side in tempered glass
› Body in Cast aluminium
› Suspension yoke and stainless steel fasteners
› LED separate compartment to facilitate maintenance operations
› Protection index IP66
› Exterior: black (Carbon) or gray (Platinum)

11. INSTALLATION

› Removable suspension yoke
› Mounting system for assembling luminaries
› Attachment points for security cable

12. UTILIZATION SETTINGS

› Operation Positions : all
› Maximum ambient temperature (Ta): 40°C (104 °F)
› Use Minimum Distance: 0.5 m (20in)

13. CONFORMITY

› UE (EMC) : EN 50081-1, EN 50082-1
› UE (Electric Security) : EN 60598-1, 60598-2-17

14. WEIGHT

› 6,4 Kg

15. PRODUCTS CODES

› 025200 : **MODULED 150** RGB Carbon
› 025207 : **MODULED 150** RGB Platinium
› 025210 : **MODULED 150** AWB Carbon
› 025217 : **MODULED 150** AWB Platinium
› 025220 : **MODULED 150** AWW Carbon
› 025227 : **MODULED 150** AWW Platinium

16. ACCESSORIES

› 025392 : Filter Holder
› 025393 : Full Barndoor
› 025394 : Half Barndoor
› 025395 : Horizontal Barndoor
› 025396 : Vertical Barndoor
› 053313 : Diffusion Filter 13°
› 053324 : Diffusion Filter 24°
› 053333 : Diffusion Filter 33°
› 053342 : Diffusion Filter 42°
› 053372 : Diffusion Filter 33° x 13° Horizontal
› 053373 : Diffusion Filter 33° x 13° Vertical
› 053382 : Diffusion Filter 62° x 16° Horizontal
› 053383 : Diffusion Filter 62° x 16° Vertical
› 077203 : Hybrid 7 Core multi-function cable , Length 0,28m
› 077207 : Hybrid 7 Core multi-function cable , Length 0,70m
› 077210 : Hybrid 7 Core multi-function cable , Length 1m
› 077220 : Hybrid 7 Core multi-function cable , Length 2m
› 077250 : Hybrid 7 Core multi-function cable , Length 5m
› 077260 : Hybrid 7 Core multi-function cable , Length 10m
› 077270 : Hybrid 7 Core multi-function cable , Length 25m
› 077280 : Hybrid 7 Core multi-function cable , Length 50m
› 075130 : EASYBOX HD Connection box
› 025398 : Terminal DMX Connector 120 Ohms, waterproof, 7 core
› 045330 : COUGAR 2

12. MAINTENANCE

The upkeep and maintenance of your **MODULED 150** must be performed by a qualified person for this type of intervention.

Your **MODULED 150** requests a regular maintenance whose frequency depends crucially on the environment and conditions of use.

An intensive use in a dusty area or absence of airflow around the device can cause operational disruptions that may result from overheat and cause damage that are not taken into the damaged covered by the warranty.

WARNING !

When servicing / maintaining / cleaning, Moduled 150 power must be completely turned OFF from Mains.

01. CLEANING

MODULED 150 must be regulary serviced and maintained. Presence of durst / impurity on any part of the unit can reduce lighting brightness, making **MODULED 150** not working correctly.

› Power of the projector must be completely turned OFF from Mains.
› Durst can form on or in between the rear side of the projector (heatshink area). Gently blow to remove durst / impurity.
› Clean glass surface with a light-dump cloth. Soft Glass Detergent can also be used. Do not use aggressive product that can damage the glass or the paint. Avoid the use of any silicon-based products.

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02. SURPERVISION

Your plant must be subject to regular review by an approved organization. In addition, you must check each year following points by a qualified person :

- The fastening system of the projector must be installed properly and not with present evidence of corrosion.
- The medium on which the projector is installed must have no trace of distortion or corrosion.
- Sling security must be attached to the slot.
- The mechanical parts shall not exhibit any signs of wear.
- The electrical cables must not have any signs of wear, cuts or splice.

13. SOFTWARE UPDATE

Your MODULED 150 is planned for future developments. The software can be updated and you may benefit from the latest developments without having to open it.

The operation, which is carried out via DMX cable, using the COUGAR 2, requires only a few minutes and several projectors can be updated simultaneously.

System Requirements :
To update the software on your MODULED 150, you must have the following :

- Central Command COUGAR 2.
- PC (configuration: Windows 2000 or XP).
- The COUGAR MANAGER 2 PC software
- The file for updating the software version of MODULED 150 you want to install.

Please consult the user manual for COUGAR 2 details of this intervention.

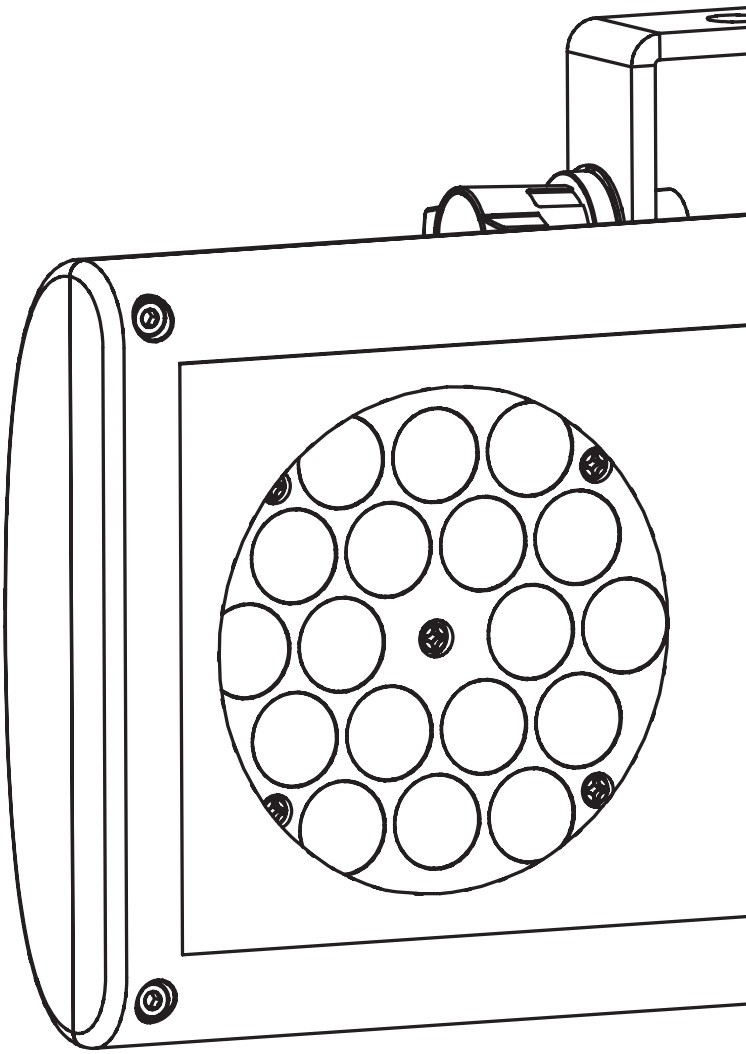
14. WARRANTY

This product is guaranteed against any manufacturing defect during the period of one (1) year from the date of purchase of the fixture.

This guarantee does not support the footsteps of shock or damage to the device by a misuse of it, or use outside the conditions of use in this manual.
Similarly, the blemishes due to normal wear and tear of the device can not be properly managed by the warranty.

Any modification of the fixture will invalidate the warranty. AYRTON can in no way be held responsible for the quality and consistency of the installation of this product, which is the responsibility of the installer.

The breakage of the window of the fixture is excluded from the guarantee.
Only potential blemishes, provided that they are reported to the dealer from the AYRTON unpacking of the fixture and before any use of it, may be subject to assumption by the guarantee of this device.



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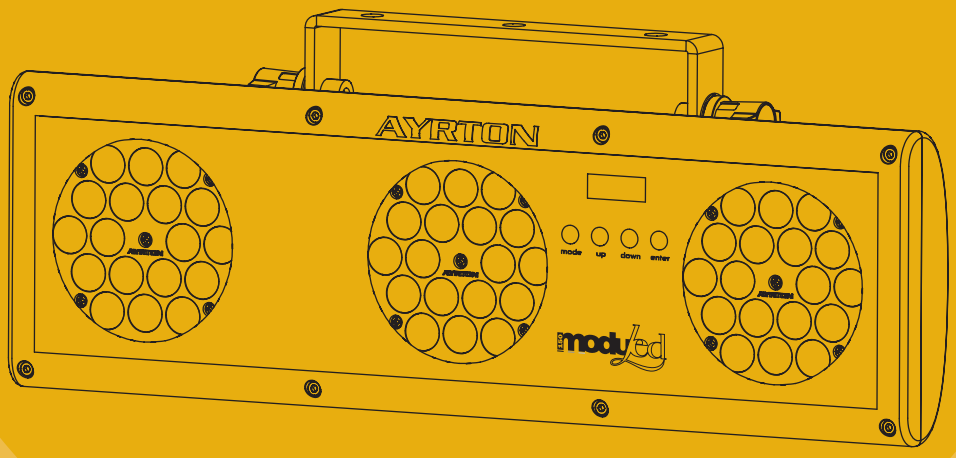

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